

## A B S T R A C T

## A NON-BLOCKING DEVICE FOR SWITCHING ATM CELLS

5           The invention concerns an ATM cell switching device  
comprising at least one inlet stage and one outlet stage,  
each of said stages comprising at least two switching  
matrices  $(411_i, 414_j, 422_k)$ , wherein there is a specific  
path between each input  $(412_i)$  of one of said input  
10 matrices and each output  $(442_j)$  of one of said output  
matrices, so that the flow of data carried by any  
intermediate link  $(413_i, 423_j)$  forming said specific path  
is a subset of the flows respectively carried by the  
input link and the output link with which it is  
15 associated. The device can have two or three stages, for  
example.

20

25

30

35

Translation of the title and the abstract as they were when originally filed by the  
Applicant. No account has been taken of any changes that may have been made  
subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2,  
38.2, and/or 48.3.

09242822-02249